

## **SHENANDOAH NATIONAL PARK**

### **PUBLIC USE COUNTING AND REPORTING INSTRUCTIONS**

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Shenandoah National Park. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

#### **Recreation Visits**

##### **North District**

1. An inductive loop traffic counter is located at the Front Royal entrance station. The traffic count is reduced by the number of buses, non-reportable vehicles and non-recreation vehicles (Table 2). The reduced vehicle count is multiplied by the persons-per-vehicle (PPV) multiplier in Table 1.
2. An inductive loop traffic counter is located at the Thornton Gap entrance station. The traffic count is reduced by the number of buses, non-reportable vehicles and non-recreation vehicles (Table 2). The reduced vehicle count is multiplied by the PPV multiplier in Table 1.
3. The number of visitors recorded as other boundary entries.
4. The number of vehicles entering at Panorama Rest is multiplied the PPV multiplier in Table 1.
5. The number of bus passengers at Front Royal and Thornton Gap.

##### **Central District**

6. The number of visitors recorded as other boundary entries.

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## South District

7. An inductive loop traffic counter is located at the Swift Run entrance station. The traffic count is reduced by the number of buses, non-reportable vehicles and non-recreation vehicles (Table 2). The reduced vehicle count is multiplied by the PPV multiplier in Table 1
8. An inductive loop traffic counter is located at the Rockfish Gap entrance. The traffic count is reduced by the number of buses, non-reportable vehicles and non-recreation vehicles (Table 2). The reduced vehicle count is multiplied by the PPV multiplier in Table 1
9. The number of visitors recorded as other boundary entries.
10. The number of bus passengers at Swift Run.
11. The number of bus passengers at Rockfish Gap.

Table 1  
Persons-Per-Vehicle Multipliers by Month

Month	Persons- Per- Vehicle Multiplier
January	2.2
February	2.2
March	2.3
April	2.5
May	2.5
June	2.6
July	2.7
August	2.8
September	2.5
October	2.5
November	2.5
December	2.4

Table 2  
Non-reportable (Employee's) and Non-recreation Vehicles by Location and by Month

Month	Front Royal		Thornton Gap		Swift Run		Rock Fish	
	Employee rec	Non- rec	Employee rec	Non- rec	Employee rec	Non- rec	Employee rec	Non- rec
January	250	10	500	10	500	10	100	10
February	250	10	500	10	500	10	125	10
March	300	10	750	25	750	25	150	10
April	600	150	2225	300	1500	300	300	150
May	620	155	2250	350	1550	350	310	155
June	600	150	2225	300	1500	300	300	150
July	620	155	2250	350	1550	350	310	155
August	620	155	2250	350	1550	350	310	155
September	600	150	2225	300	1500	300	300	150
October	620	155	2250	350	1550	350	310	155
November	300	150	750	300	750	300	150	150
December	250	10	500	10	500	10	100	10

### Non-recreation Visits

Non-recreation visitors are the number on non-recreation vehicles in Table 2 multiplied by the PPV multiplier of 1.4.

### Recreation Visitor Hours

The number of recreation visits is multiplied by the day use length of stay multiplier in Table 3 and the number of overnight stays is multiplied by 23.0 hours.

Table 3  
Recreation Day Use Visitor Hour Multipliers by Month

Month	Average Day Use Length of Stay
January	2.0 Hours
February	2.0 Hours
All other months	2.5 Hours

### Non-recreation Visitor Hours

The number of non-recreation visits is multiplied by 0.25 hour.

### Overnight Stays

Concessionaire Lodging - Potomac Appalachian Trail Club Cabins, Dundo, and ARA Lodge

The number of visitors staying overnight as reported by the concessionaire.

NPS Campgrounds - Mathews Arm, Big Meadows, Lewis Mountain, and Loft Mountain Campgrounds

The number of sites occupied by tent and RV campers is multiplied by the persons-per-site multiplier of 3.

NPS Backcountry - Miscellaneous Sites

The number of overnight stays by backcountry campers.

### Special Use Data

- Line a. The number of visitors to the North District
- Line b. The number of visitors to the Central District
- Line c. The number of visitors to the South District
- Line d. The number of bus passengers
- Line e. The number of boundary entries
- Line n. The number of tour buses